

**Ivanhoe Industries, Inc.****Safety Data Sheet**

Revision Date: October 17, 2018

Version: 1.2

**XFO-52J**

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**1. Identification of the substance/mixture and the company****1.1. Product identifier**

Product form : Mixture  
Product name : XFO-52J  
Product code : XF52J

**1.2. Relevant identified uses of the substance /mixture**

Use of the substance/mixture : Foam control agent

**1.3 Details of the supplier of the safety sheet**

Ivanhoe Industries Inc  
3333 20<sup>th</sup> Street  
Zion, IL 60099  
T 847-872-3311  
[ivanhoe@ivanhoeind.com](mailto:ivanhoe@ivanhoeind.com)

**1.4 Emergency telephone number**

Emergency number : CHEMTREC (800) 424-9300

**2. Hazards identification****2.1 Classification of the substance or mixture****GHS-US classification**

Skin irritant : Category 2  
Eye irritant : Category 2A

**2.2. Label elements**

Signal Word  
WARNING

**Hazard statements**

Causes skin irritation  
Causes serious eye irritation



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**Appearance** Not applicable  
**Physical State** Liquid  
**Odor** Bland

**Precautionary Statements – Prevention**

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements – Response**

If ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse. If skin irritation occurs, get medical attention/advice.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing. If eye irritation persists, get medical attention/advice.

**Hazards not otherwise classified:** None known**3. Composition/information on ingredients**

Chemical name	CAS No.	Weight %
Proprietary additives	Proprietary	30 - 40
Water	7732-18-5	50 - 60
Polyalkylene Glycol	9003-11-6	10 - 20

**4. First aid measures****4.1 Description of first aid measures**

First aid after inhalation:

If breathing is difficult, transport victim to fresh air. If irritation occurs, consult a doctor.

First aid after skin contact:

Wash thoroughly with soap and water. Get medical attention if symptoms occur.

First aid after eye contact:

Immediately wash eyes with plenty of water for at least 15 minutes. If possible, remove contact lenses, if used. Get medical attention if irritation develops and persists.

First aid in case of ingestion:

DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

**4.2 Main symptoms and effect, both acute and delayed**

Not applicable

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

**5. Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media:

Water spray, dry chemical, foam, carbon dioxide

Unsuitable extinguishing media:

None known



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**5.2 Special hazards arising from the substance or mixture**

Reactivity: No dangerous reaction known under conditions of normal use.

**5.3 Advice for firefighters**

Protection during firefighting: Keep upwind of the fire. Wear protective clothing and respiratory protection (SCBA). Use water spray to cool exposed containers.

**6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Protective equipment: Use personal protection recommended in section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**6.1.2. For emergency responders**

Protective equipment: Equip the employees with adequate personal protection.

**6.2. Environmental precautions**

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Inform authorities if the material is fed into the public sewage system or in public waters.

**6.3. Methods and materials for containment and cleaning up**

Contain spilled material if possible. Absorb with materials such as: Dirt. Sand. Sawdust. Collect in suitable and properly labeled containers. Wash the spill site with water. See Section 13, Disposal Considerations, for additional information.

**7. Handling and storage****7.1 Precautions for safe handling**

Recommendations for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving the work place. Ensure good ventilation in the work area to prevent the formation of vapors. Do not use before you have read and understood all warnings.

**7.2 Conditions for safe storage, including any incompatibilities**

Storage conditions: Do not store near extreme heat or strong oxidizing materials. Keep in tightly closed container.

Incompatible materials: Strong acids, oxidizing agents, strong bases

Place of storage: Protect from heat

**7.3 Specific end use(s)**

Foam control agent

**8. Exposure controls/personal protection**

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**8.1 Control parameters****Exposure limits**

No exposure limits established for components of this product.

**8.2 Appropriate engineering controls****Engineering controls**

A system of local and/or general exhaust is recommended to keep employee exposure below the Airborne Exposure Limits.

**8.3 Individual protection measures, such as personal protective equipment****Eye/face Protection**

Wear eye protection / face protection.

**Skin and Body Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate to prevent skin contact. Wear chemical resistant gloves.

**Respiratory Protection**

No personal respiratory protective equipment normally required.

**General hygiene considerations**

Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Physical state:	Liquid
Appearance:	Opaque
Color:	Yellow
Odor:	Mild
Odor threshold:	No data available
pH	7
Evaporation rate (Butyl Acetate=1):	< 1
Melting point/freezing point:	No data available
Boiling point:	> 100°C
Flash point:	> 100°C
Self ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	< 1
Relative vapor density at 20°C:	No data available.
Relative density:	1.00 (25°C)
Solubility:	Dispersible
Log Pow:	No data available
Log Kow	No data available
Dynamic viscosity:	900 cps

**9.2 Other information**

No further information is available



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**10. Stability and reactivity****10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

Stable under recommended storage conditions. See Storage, Section 7.

**10.3 Possibility of hazardous reactions**

Polymerization will not occur by itself.

**10.4 Conditions to avoid**

Heat, incompatible substances

**10.5 Incompatible materials**

Strong acids, oxidizing materials, strong bases

**10.6 Hazardous decomposition products**

Decomposition products can include and are not limited to: oxides of carbon, oxides of silicon, formaldehyde

**11. Toxicological information****11.1 Information on toxicological effects****Acute toxicity:** Not classified based on available information.

Skin corrosion/irritation:	Class 2 skin irritant
Eye damage/eye irritation:	Class 2A eye irritant.
Sensitization of skin or respirations:	Based on the available data, the classification criteria are not met.
Mutagenicity of germ cells:	Based on the available data, the classification criteria are not met.
Carcinogenicity:	Based on the available data, the classification criteria are not met.
Reproductive toxicity:	Based on the available data, the classification criteria are not met.
Specific target organ toxicity (single exposure):	Based on the available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure):	Based on the available data, the classification criteria are not met.
Symptoms after ingestion:	Based on the available data, the classification criteria are not met.

**12. Ecological information****12.1 Toxicity**

Not established

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

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Not determined

**12.4 Other adverse effects**

No additional information available

**13. Disposal considerations****13.1. Waste treatment method**

Waste disposal recommendations:

Dispose of in accordance with all federal, provincial, state, and local regulations.

Ecology – waste materials:

Avoid release to the environment

**14 Transport information**

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

**14.1 UN number**

Not applicable

**14.2. UN proper shipping name**

Proper shipping name: NOT REGULATED

**14.3 Additional information**

No additional information available

**15. Regulatory information****15.1 International Inventories**

TSCA Complies

**15.2 US Federal Regulations****SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure Hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**



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This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA)(40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA)(40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**15.3. US State Regulations****California:**

**⚠ WARNING!** This product can expose you to a chemicals known to the State of California to cause cancer.

Ethylene Oxide (75-21-8)

Propylene Oxide (75-56-9)

1, 4-Dioxane (123-91-1)

Acetaldehyde (75-07-0)

**⚠ WARNING!** This product can expose you to a chemical known to the State of California to cause birth defects or other reproductive harm.

Ethylene Oxide (75-21-8)

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**16. Other information****HMIS: Health – 1      Flammability – 0      Physical Hazards – 0      PPE – B**

*Ivanhoe Industries, Inc.* urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained a SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.